

1/9

FUNCTIONAL UNITS

SRC	FU 1	FU 2	FU 3	SINK
0	A1			*
1		A2	*	
2	*		A3	
3	B1			A4 *
4		B2	A5	
5		A6	B3	
6	C1			B4 A7
7		C2	B5	
8		B6	C3	
9	*			C4 B7
10		*	C5	
11		C6	*	
12	*			*
13		*	*	
14		*	*	

TIME STEP

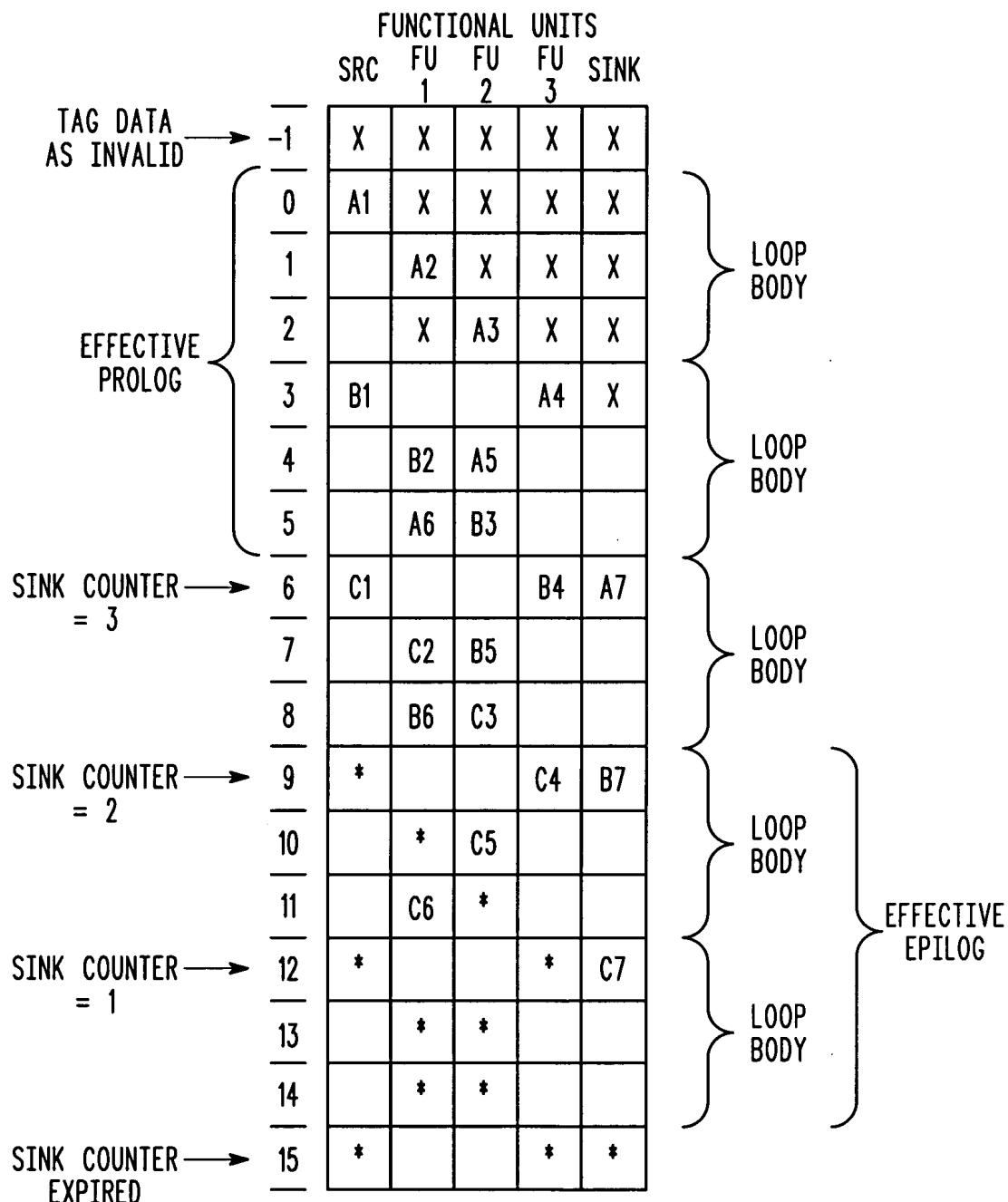
PROLOG LOOP BODY EPILOG

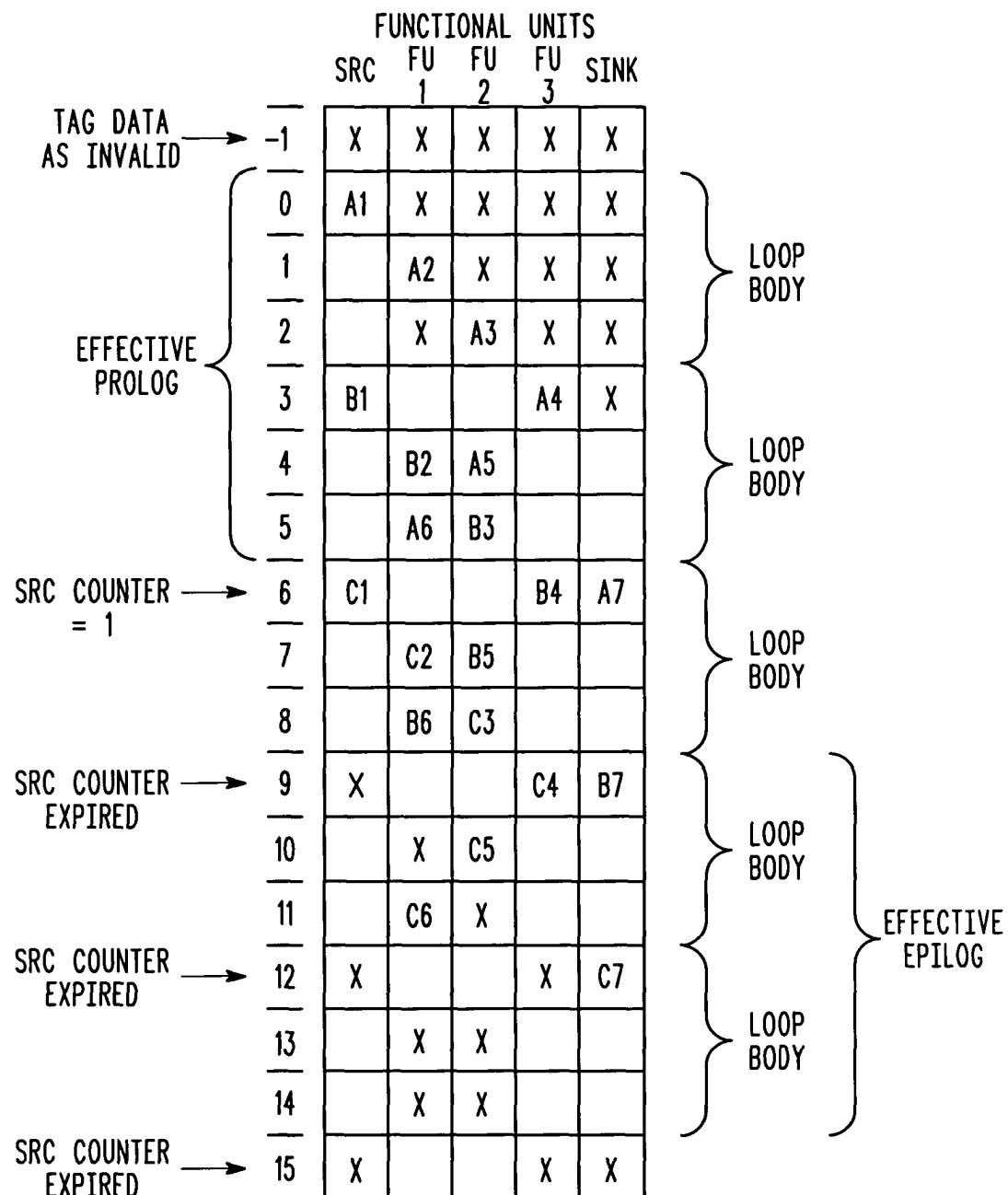
FIG. 1

VLIW 1	C1			B4	A7
VLIW 2		C2	B5		
VLIW 3		B6	C3		

LOOP BODY

FIG. 2

**FIG. 3**

**FIG. 4**

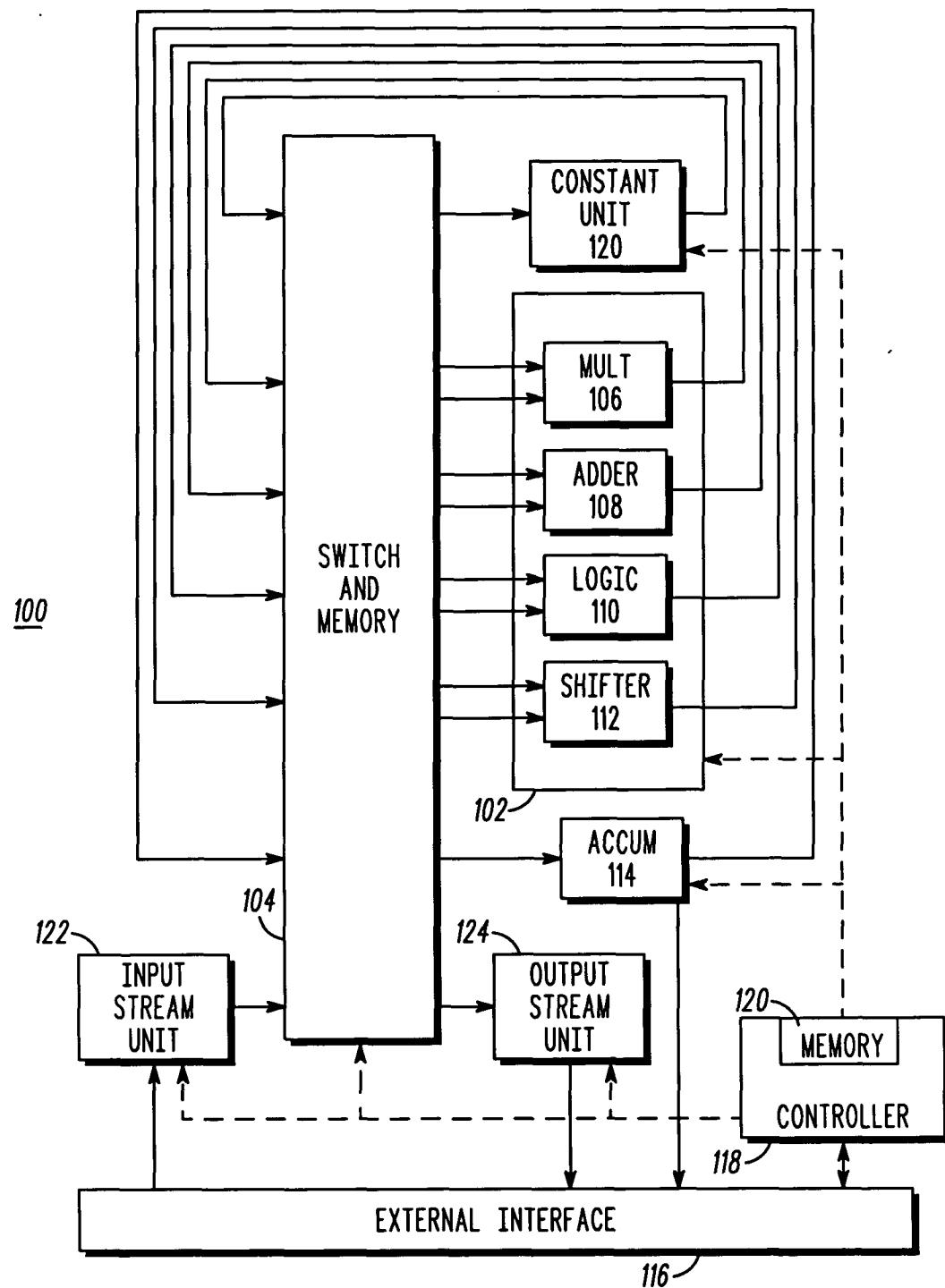
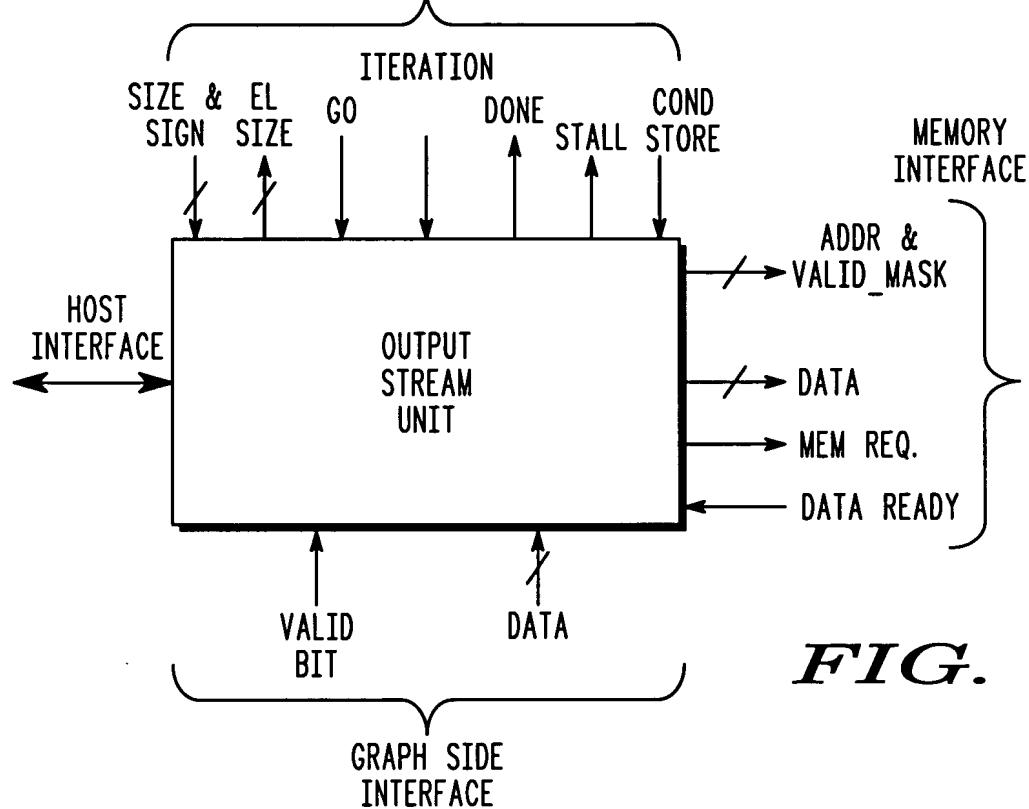
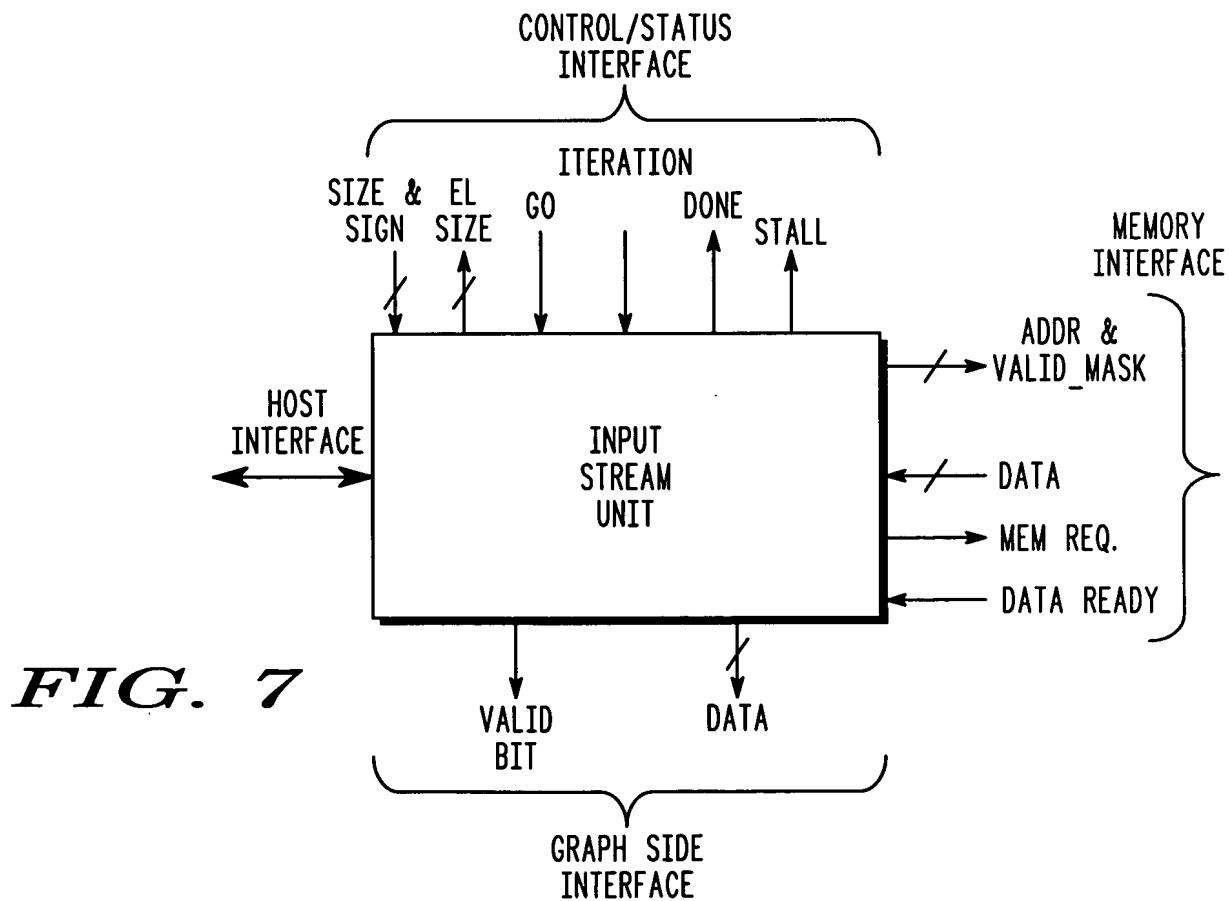


FIG. 5

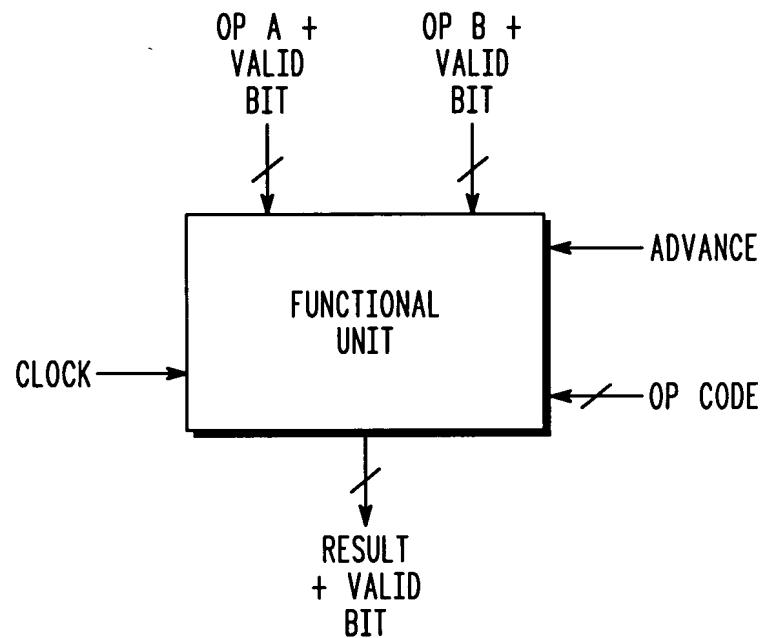
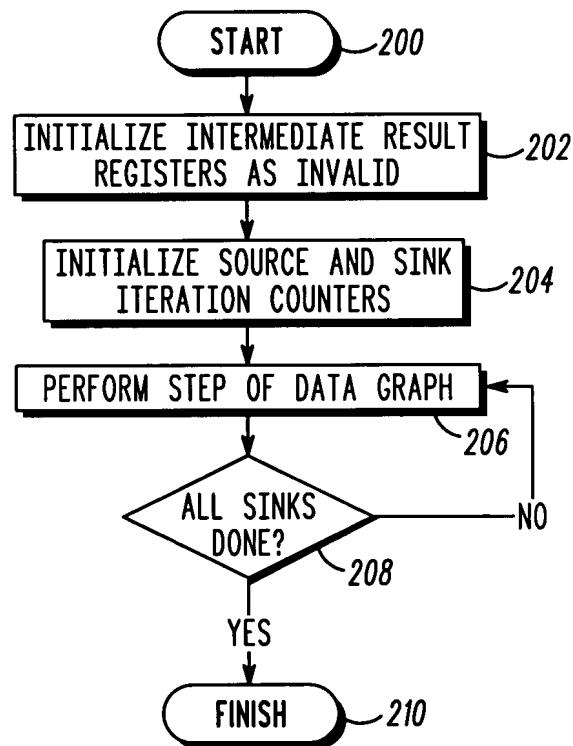
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CONTROL/STATUS
INTERFACE

5/9

**FIG. 6**CONTROL/STATUS
INTERFACE**FIG. 7**

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***FIG. 8******FIG. 9***

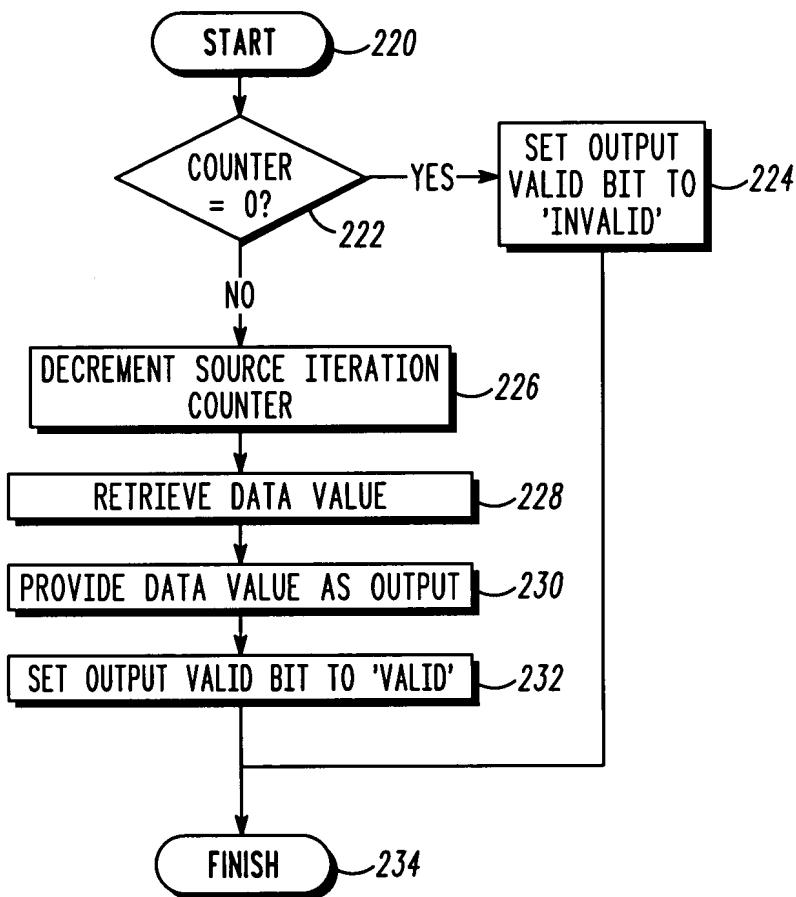


FIG. 10

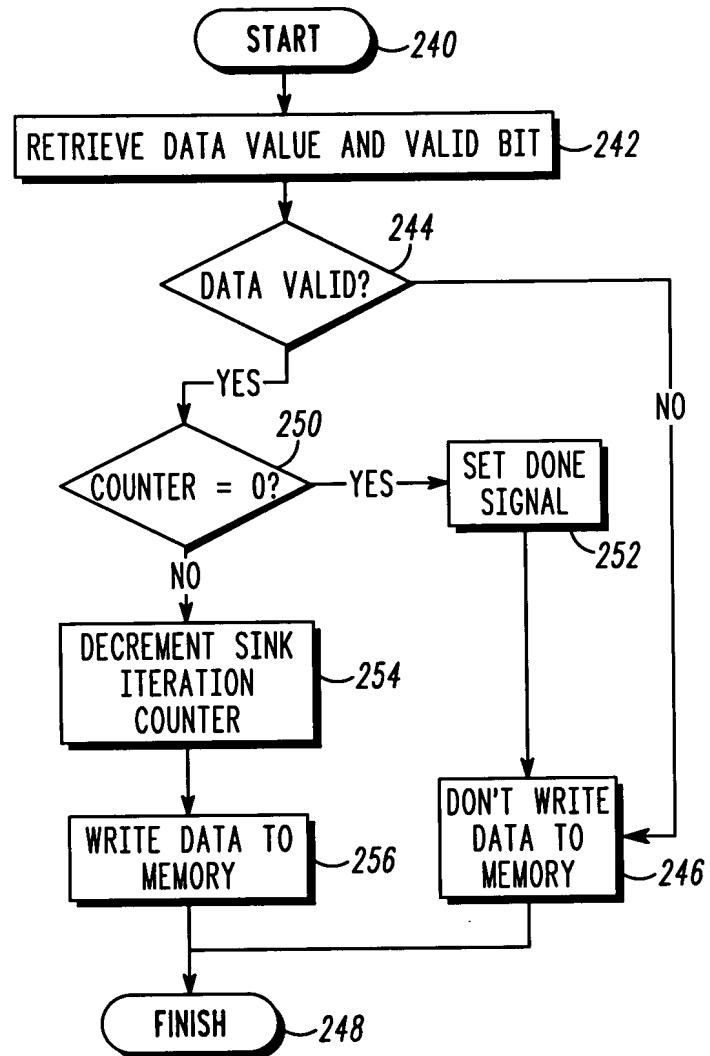


FIG. 11

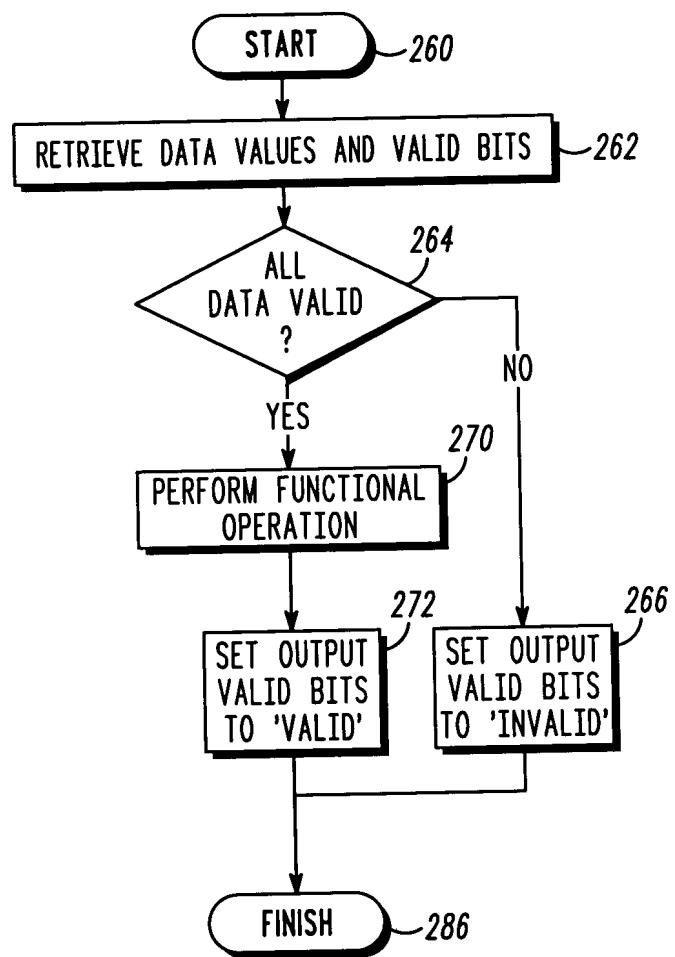


FIG. 12